

Woodard et al.

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Appl. No.: Unknown

Atty Docket: DUMMER4.1C1C1



FIG. 1

ROTARY PUMP WITH HYDRODYNAMICALLY SUSPENDED
IMPELLER

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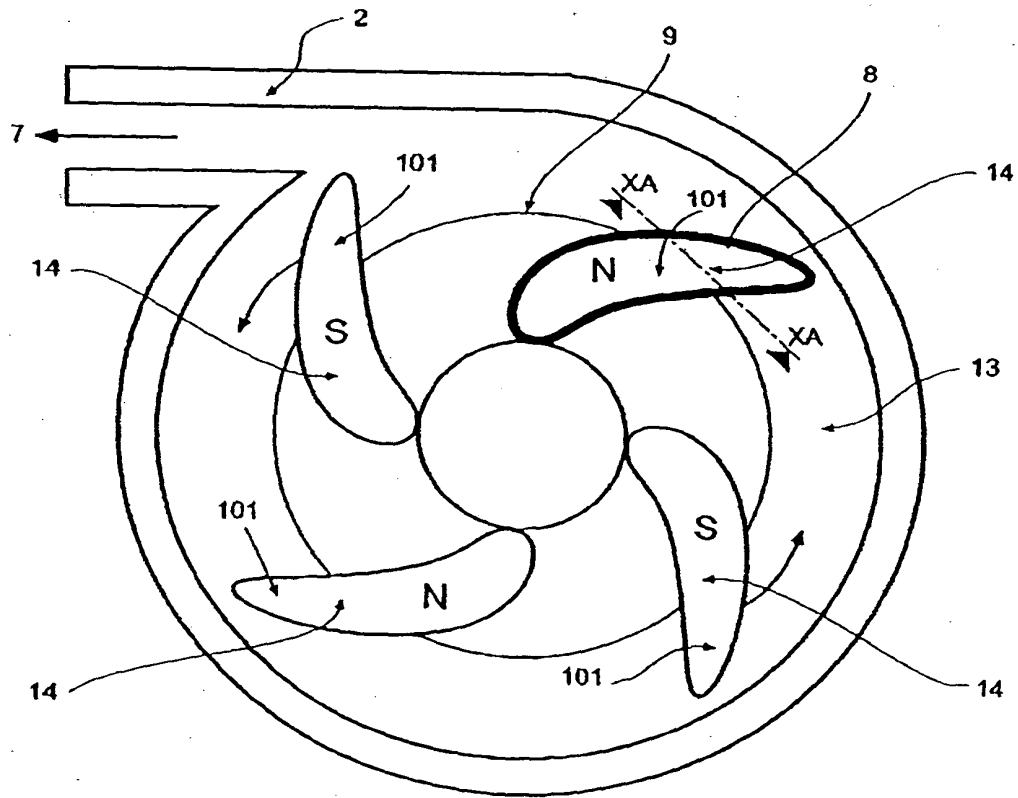


FIG. 2

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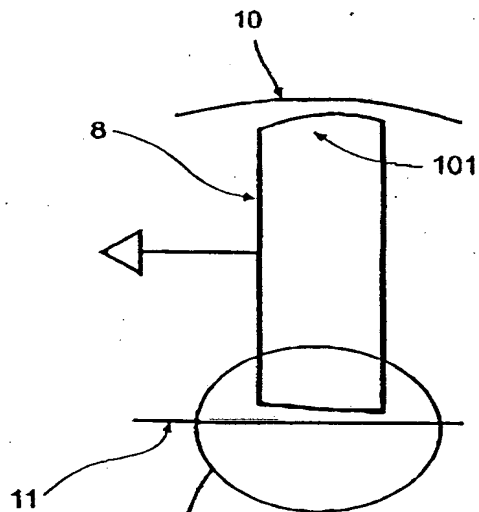


FIG. 3A

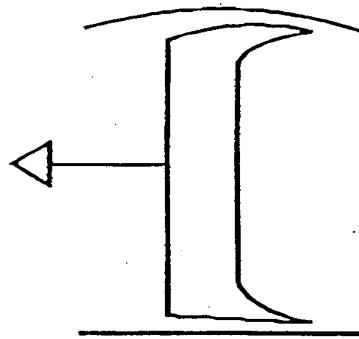


FIG. 3C

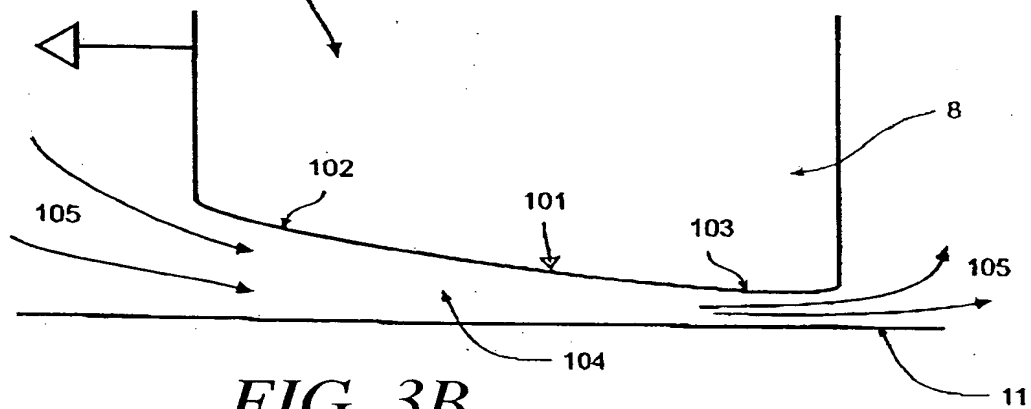


FIG. 3B

ROTARY PUMP WITH HYDRODYNAMICALLY SUSPENDED
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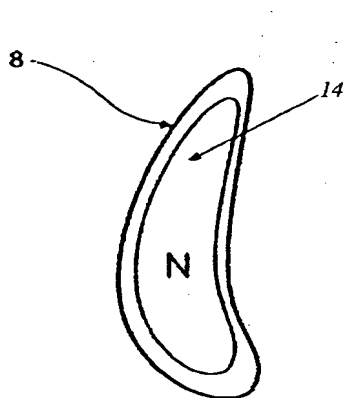


FIG. 4A

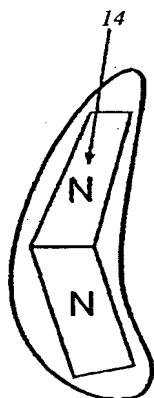


FIG. 4B

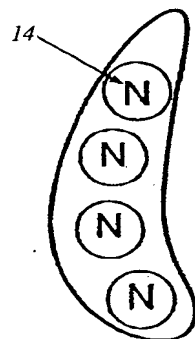


FIG. 4C

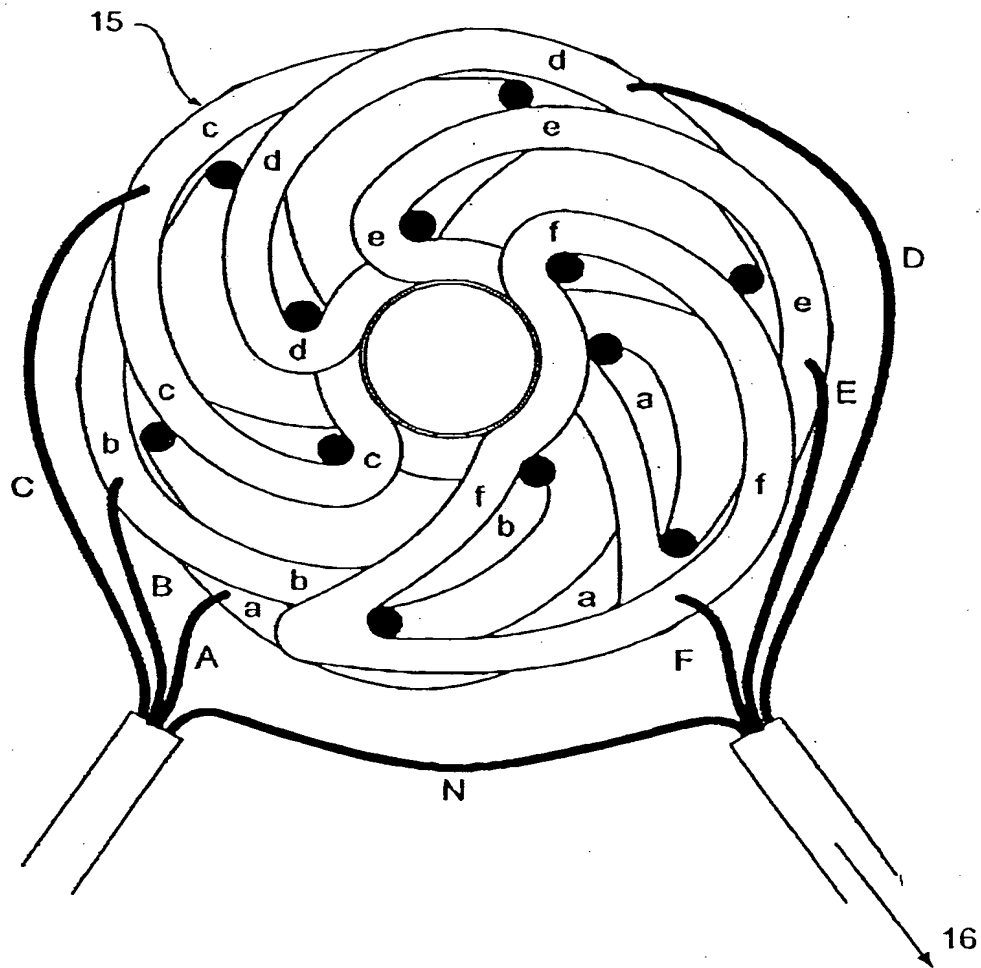


FIG. 5

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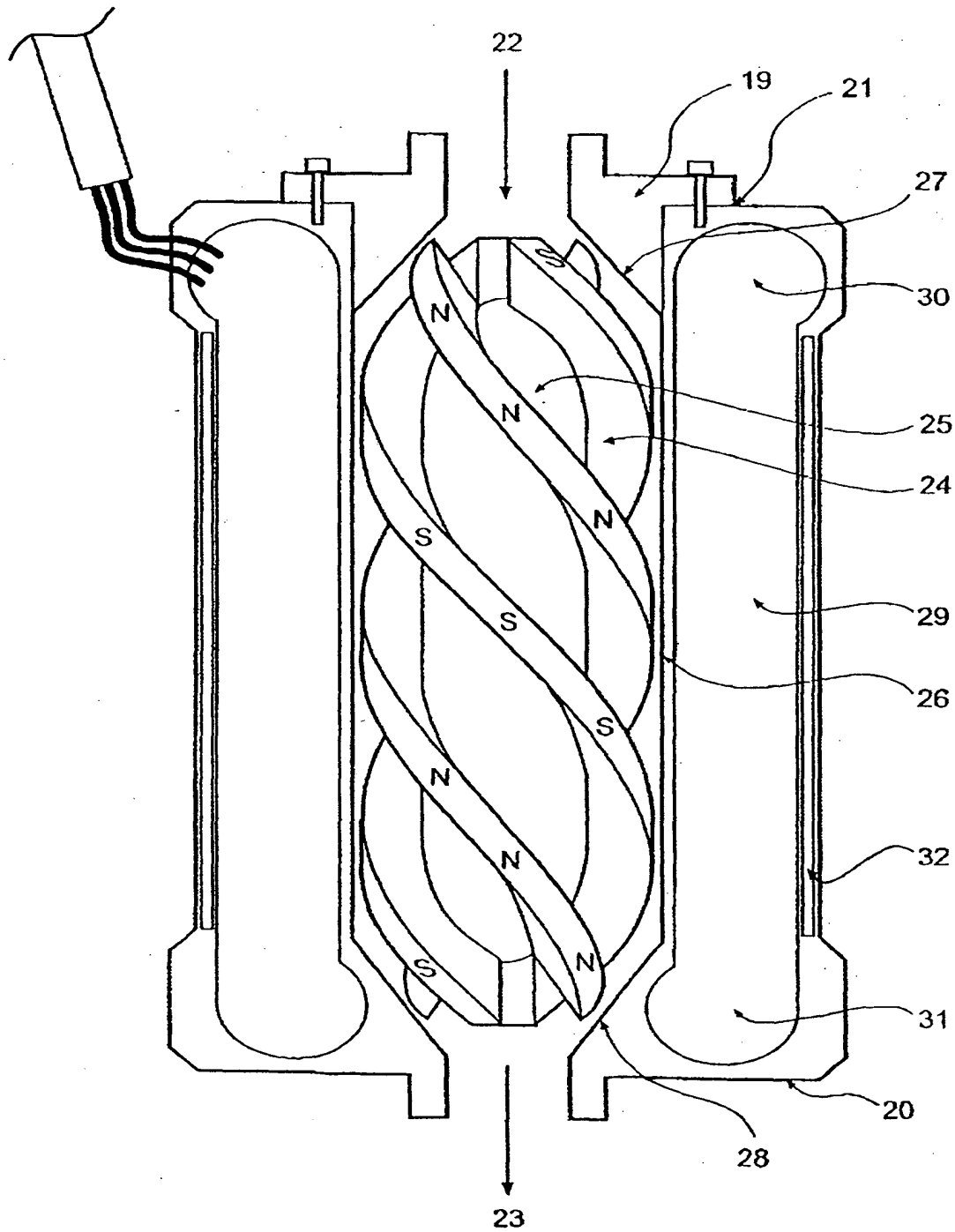


FIG. 6

ROTARY PUMP WITH HYDRODYNAMICALLY SUSPENDED
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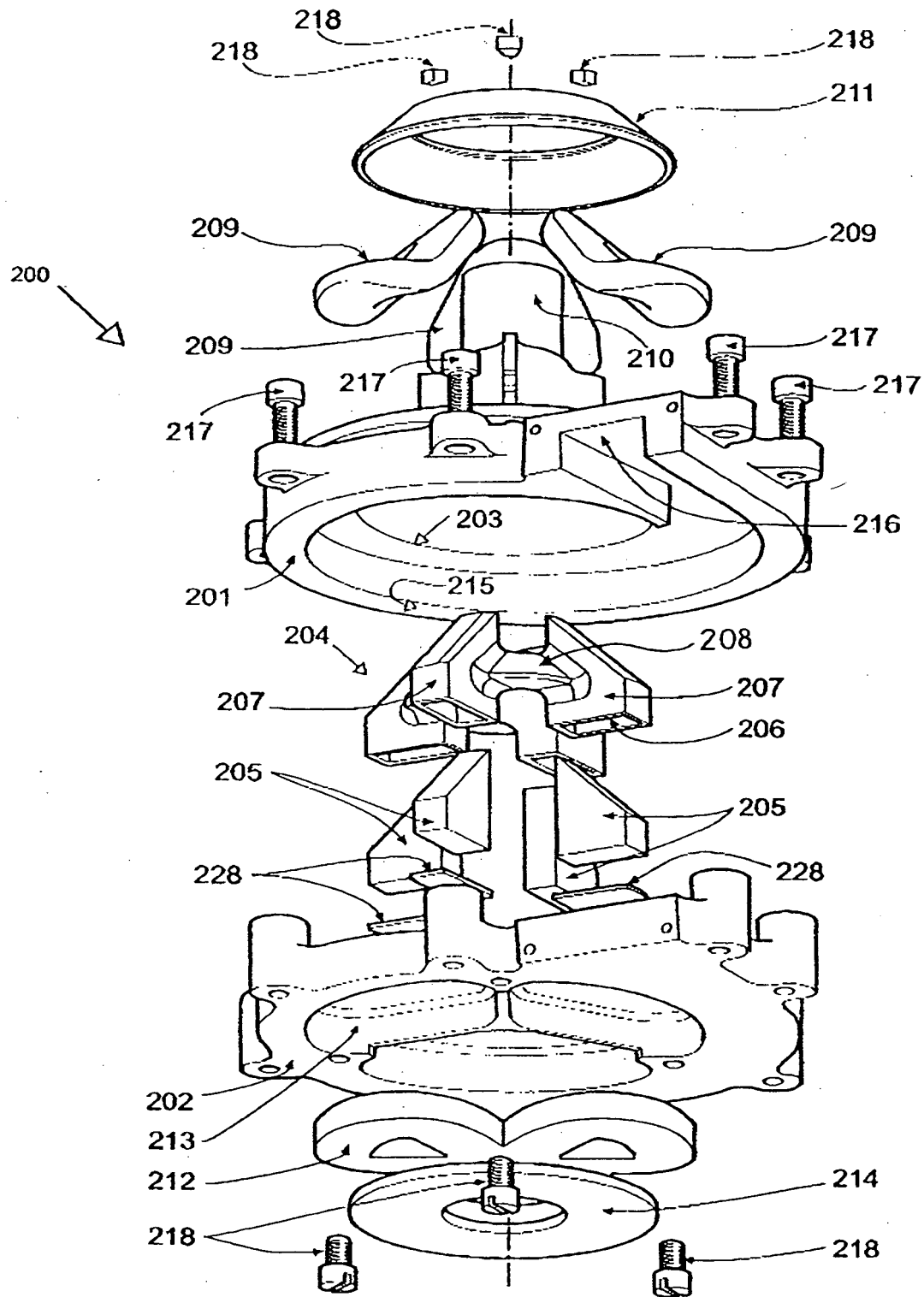


FIG. 7

ROTARY PUMP WITH HYDRODYNAMICALLY SUSPENDED
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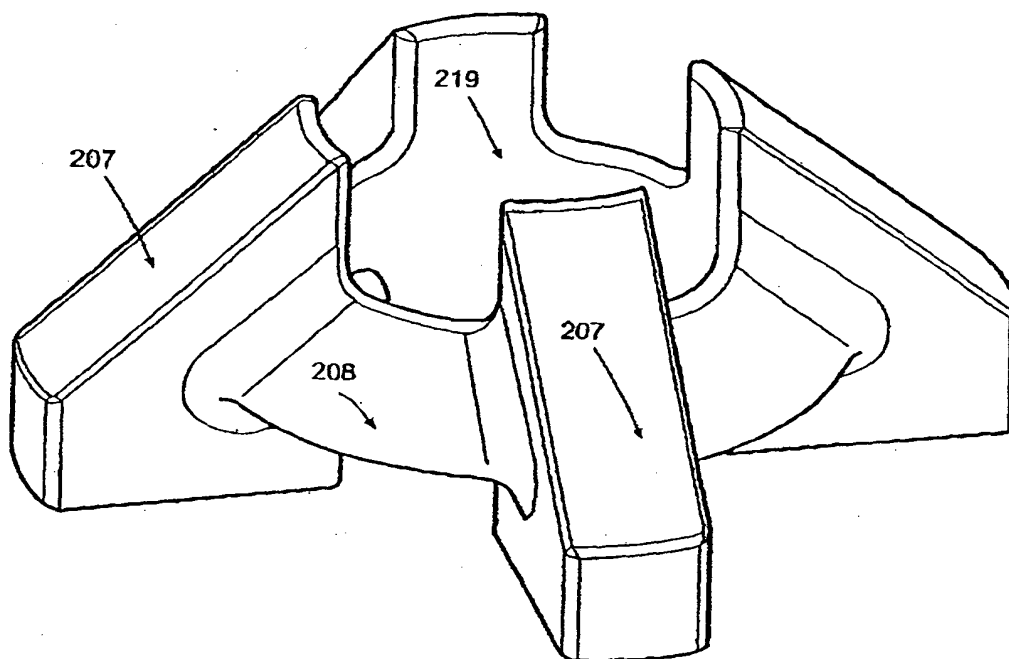


FIG. 8

ROTARY PUMP WITH HYDRODYNAMICALLY SUSPENDED
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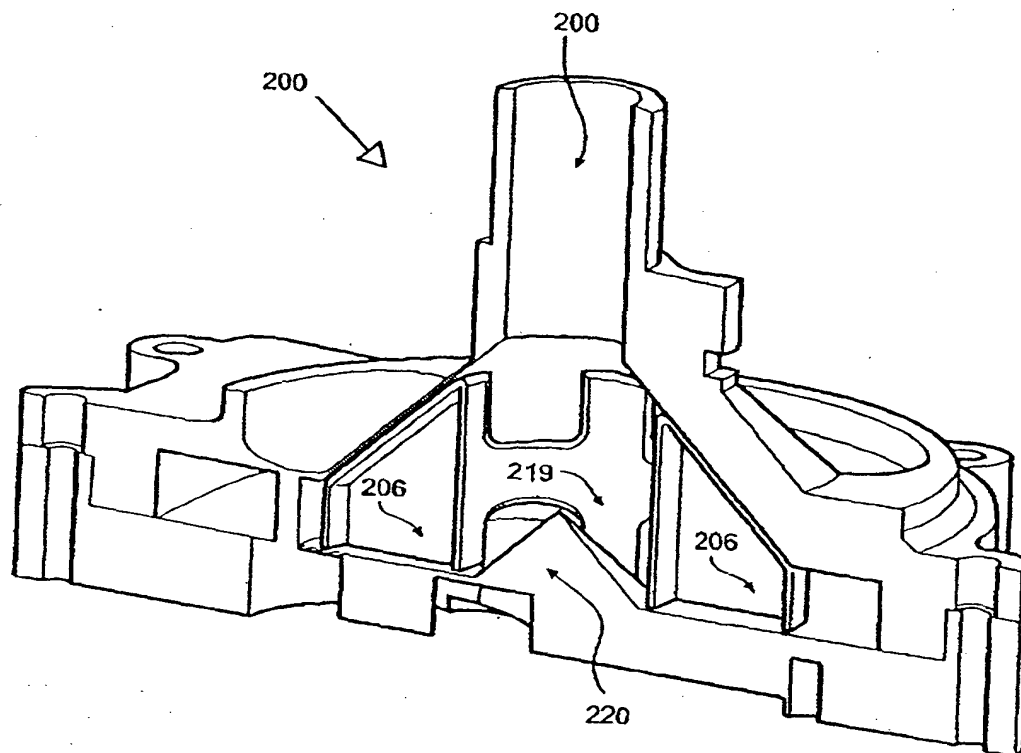


FIG. 9

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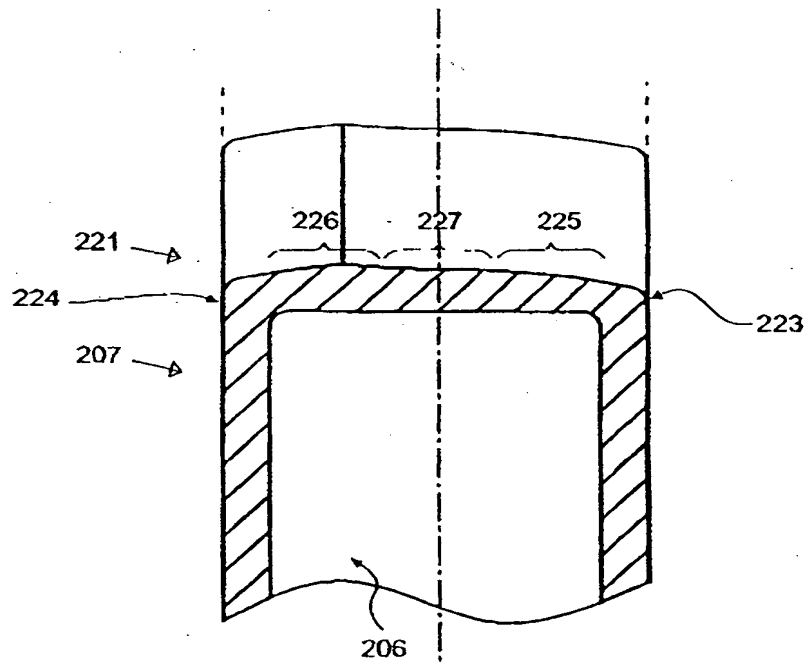


FIG. 11A

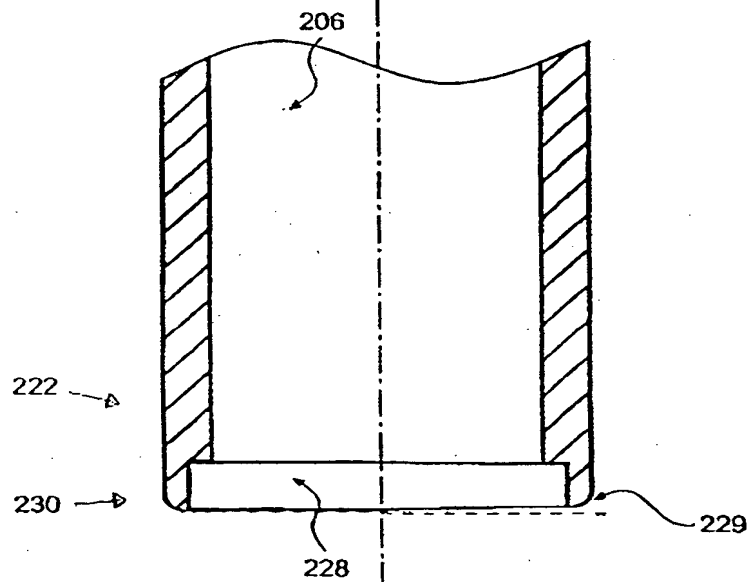


FIG. 11B

ROTARY PUMP WITH HYDRODYNAMICALLY SUSPENDED
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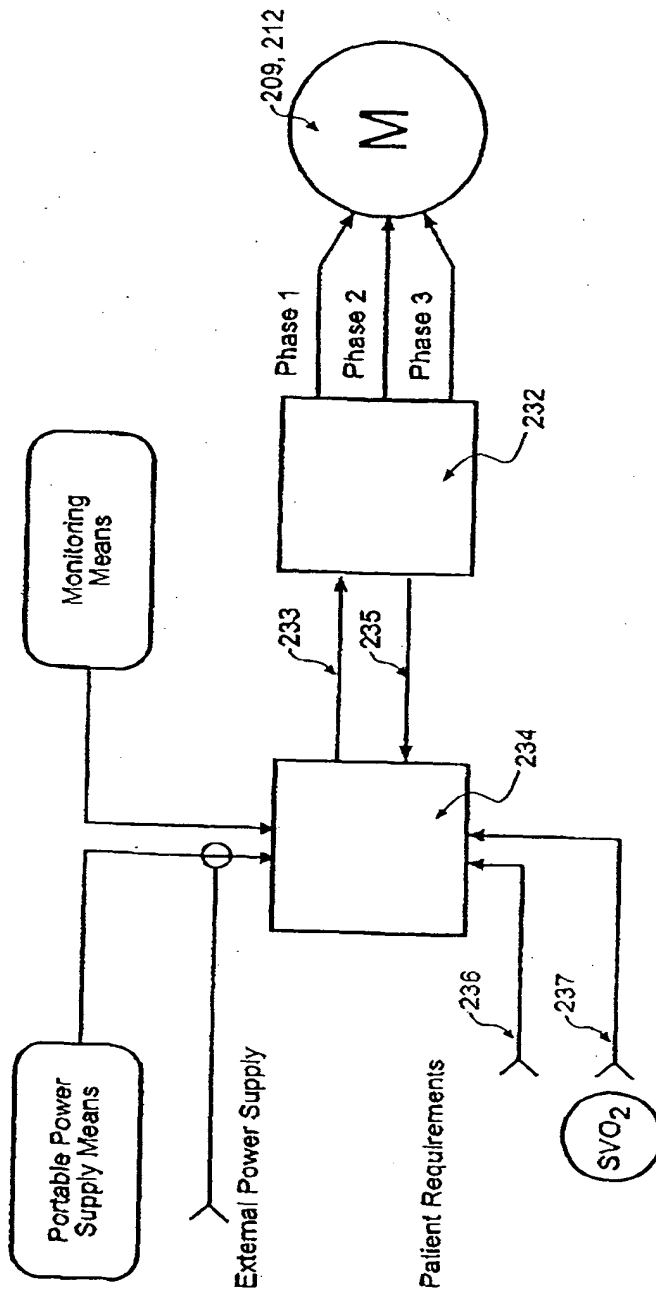


FIG. 12

ROTARY PUMP WITH HYDRODYNAMICALLY SUSPENDED IMPELLER

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VA-A1 V1 HQ Curves in 18% Glycerol

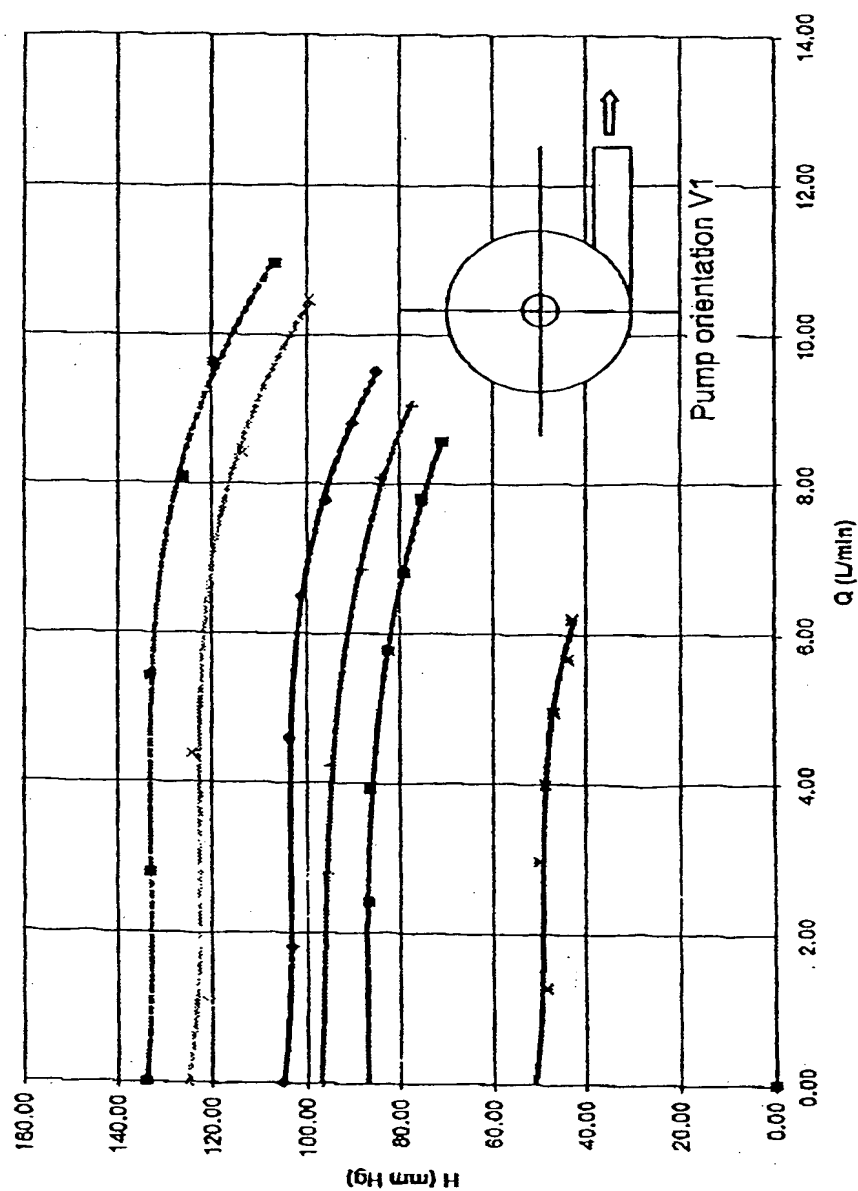


FIG. 13

ROTARY PUMP WITH HYDRODYNAMICALLY SUSPENDED IMPELLER

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VA-A1 V1 Pump Efficiency (η) Curves in 18% Glycerol

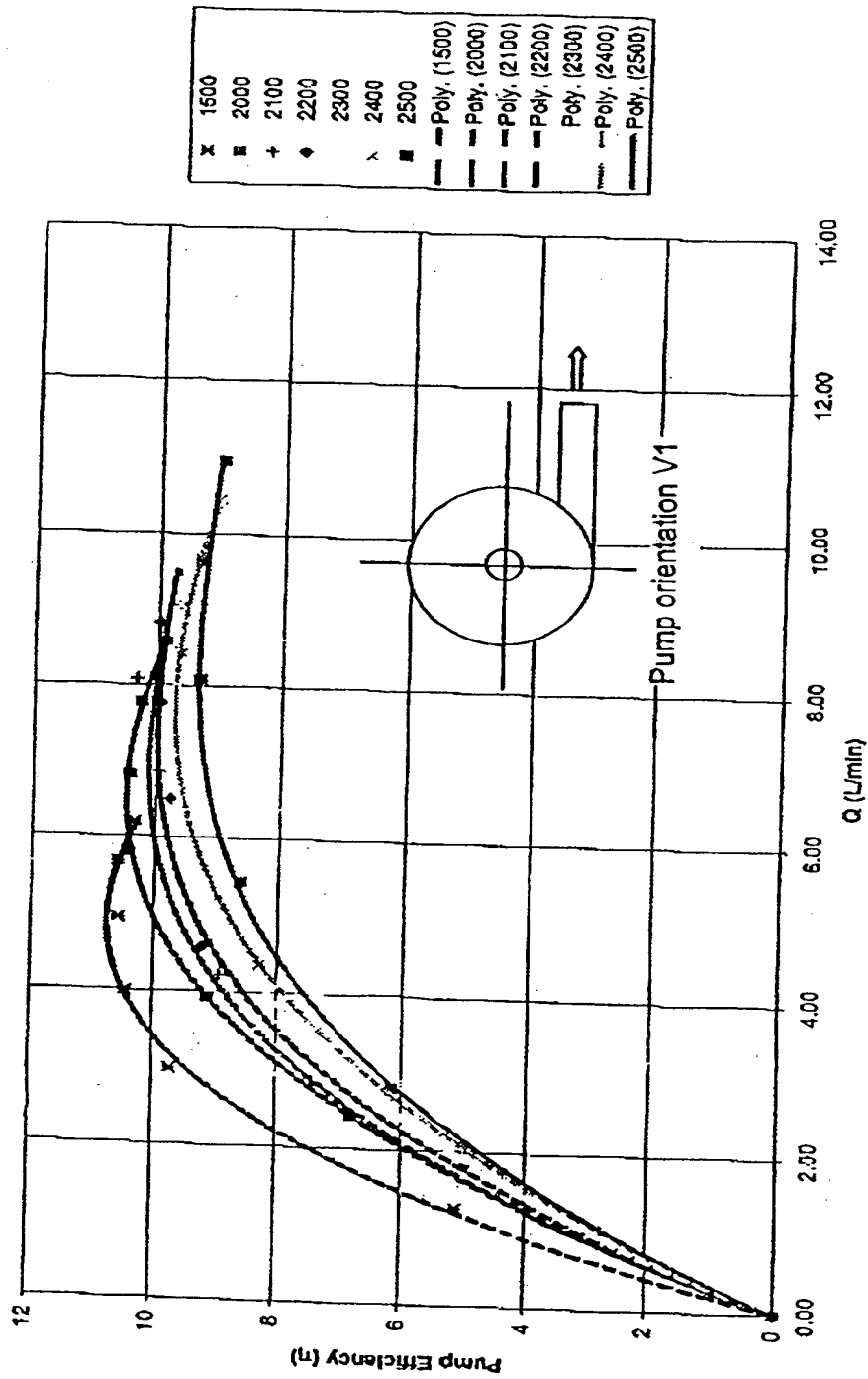


FIG. 14

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VA-A1 V1 Electrical Power vs Flow Rate Curves in 18% Glycerol

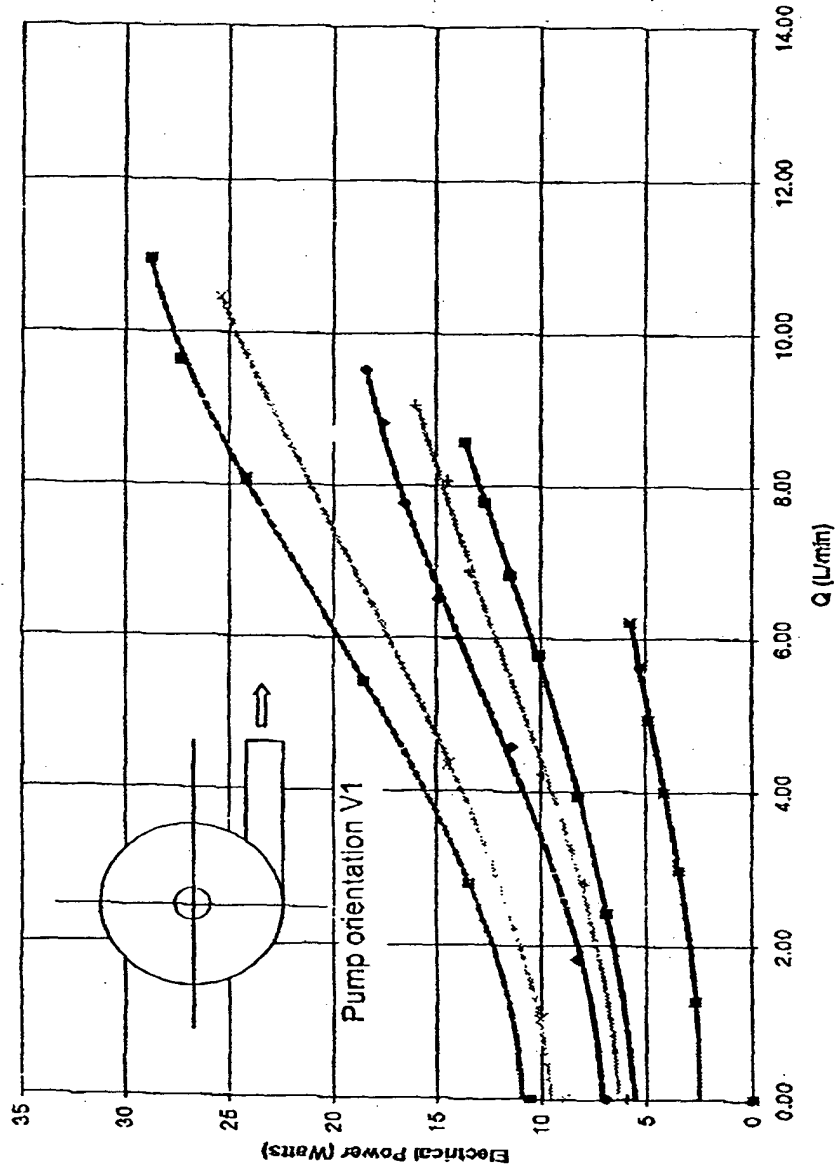


FIG. 15

ROTARY PUMP WITH HYDRODYNAMICALLY SUSPENDED
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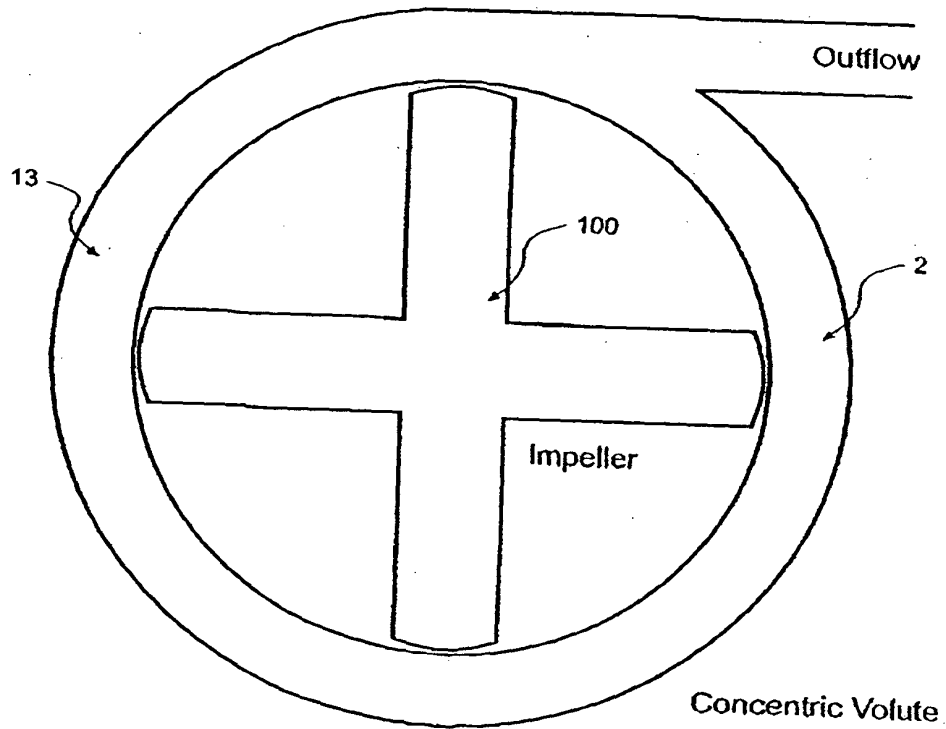


FIG. 16

ROTARY PUMP WITH HYDRODYNAMICALLY SUSPENDED
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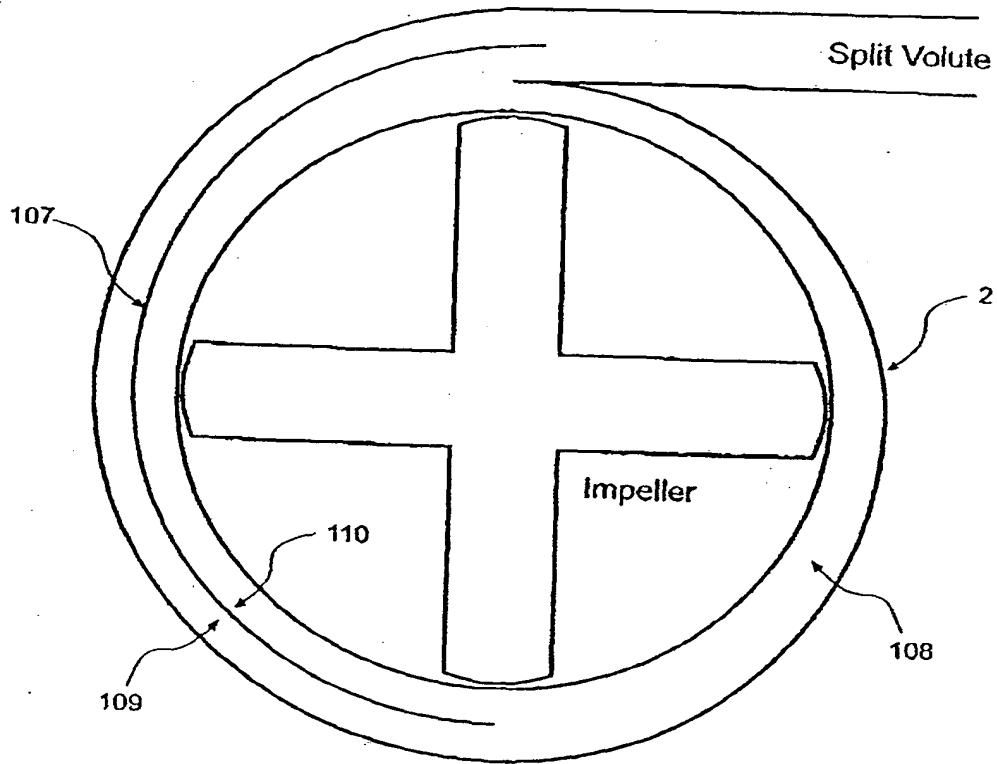


FIG. 17

ROTARY PUMP WITH HYDRODYNAMICALLY SUSPENDED
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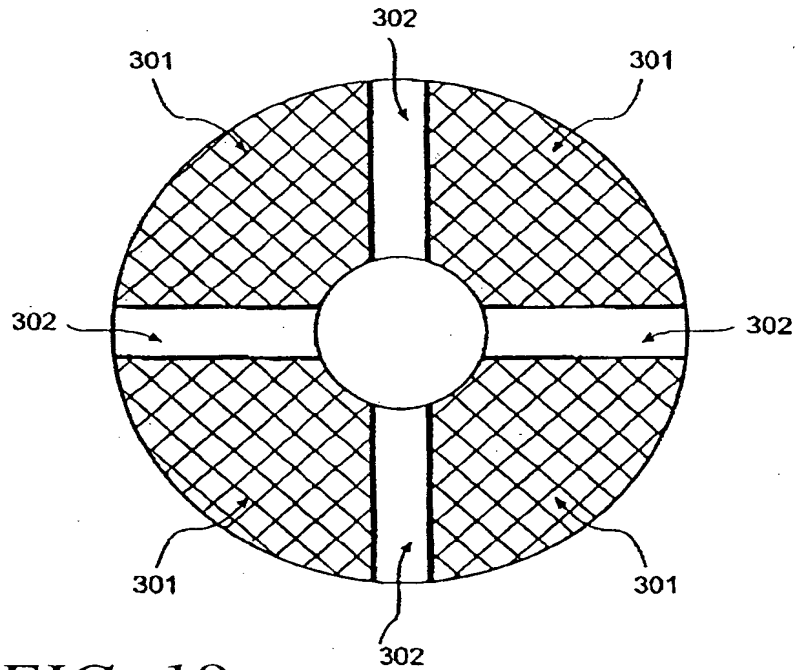


FIG. 18

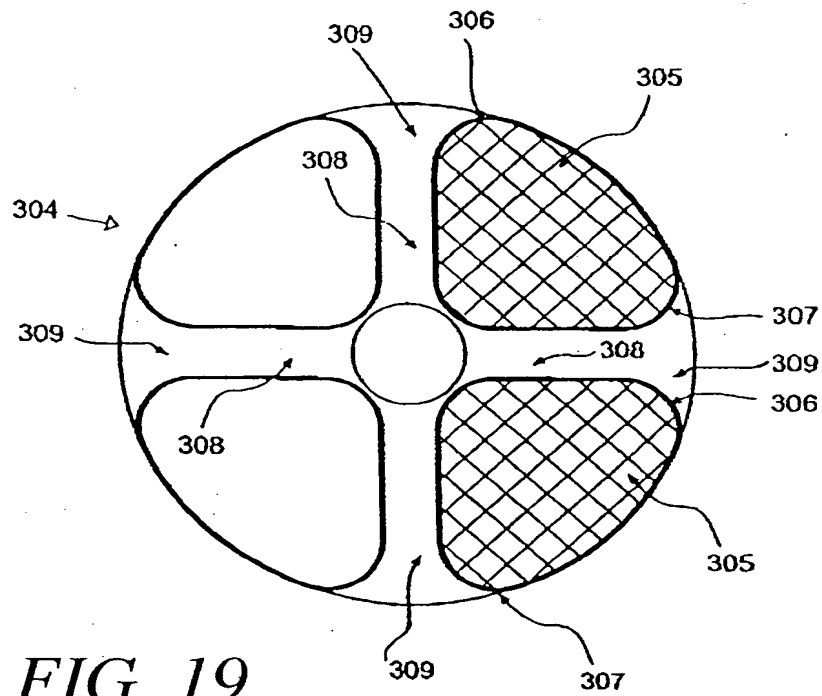


FIG. 19

ROTARY PUMP WITH HYDRODYNAMICALLY SUSPENDED
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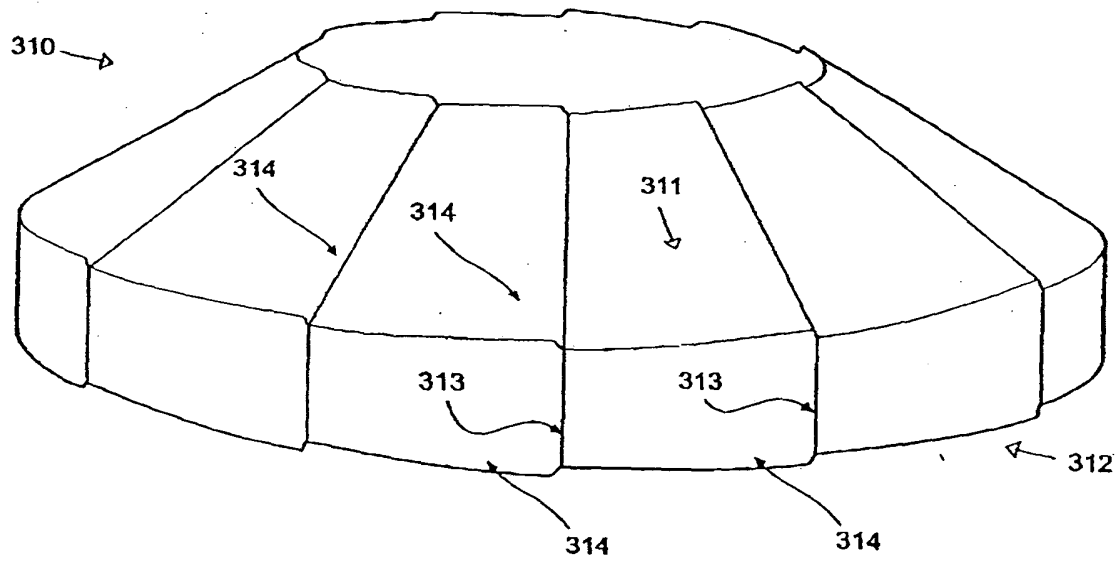


FIG. 20